

Substitute Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket	ABGX-001CON3
INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		First Named Inventor	A. Jakobovits, et al.
		Application Number	09/718,717
		Filing Date	November 22, 2000
		Group Art Unit	Unassigned 1636 APR 11 2001

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TMC	AA	5,413,923	05/09/1995	R. Kucherlapati, et al.			
↓	AB	5,416,260	05/16/1995	B. Koller et al.			
↓	AC	5,468,629	11/21/1995	C. Calhoun			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
TMC	AD	WO 91/10741	24 July 1991	PCT				
↓	AE	WO 94/02602	03 February 1994	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

TMC	AF	Aratani, et al. "End extension repair of introduced targeting vectors mediated by homologous recombination in mammalian cells," <i>Nucl. Acids. Res.</i> , (1992) Vol. 20, No. 18:4795-4801
↓	AG	Detloff, et al., "Deletion and Replacement of the Mouse Adult β-Globin Genes by a "Plug and Socket" Repeated Targeting Strategy," <i>Mol. and Cell. Biol.</i> , (1994), Vol. 14, No. 10:6936-6934
↓	AH	Doetschman, et al., "Targeted correction of a mutant HPRT gene in mouse embryonic stem cells," <i>Nature</i> , (1987) Vol. 330:576-578
↓	AI	Doetschman, et al., "Targeted mutation of the HPRT gene in mouse embryonic stem cells," <i>Proc. Natl. Acad. Sci., U.S.A.</i> , (1988), Vol. 85:8583-8587
↓	AJ	Felgner, "Lipofection: A high efficient, lipid-mediated DNA-transfection procedure," <i>Proc. Natl. Acad. Sci., U.S.A.</i> , (1987) Vol. 84:7413-7417
↓	AK	Hooper, et al., "HPRT-deficient (Lesch-Nyhan) mouse embryos derived from germline colonization by cultured cells," <i>Nature</i> , (1987), Vol. 326:292-294

EXAMINER <i>Tmckelvey</i>	DATE CONSIDERED <i>9/7/01</i>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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<i>TMC</i>	AL	Koller, et al., "Germ-line transmission of a planned alteration made in a hypoxanthine-phosphoribosyltransferase gene by homologous recombination in embryonic stem cells," <u>Proc. Natl. Acad. Sci., U.S.A.</u> , (1989), Vol. 86:8927-8931	
	AM	Kuhn, et al., "Generation and Analysis of Interleukin-4 Deficient Mice," <u>Science</u> , (1991) Vol. 254:707-710	
	AN	Lang, et al., "Replacement-like recombination induced by an integration vector with a murine homology flank at the immunoglobulin heavy-chain locus in mouse and rat hybridoma cells," <u>Mol. Gene Genet.</u> , (1994), Vol. 242:528-538	
	AO	Mombaerts, et al., "Creation of a large genomic deletion at the T-cell antigen receptor β-subunit locus in mouse embryonic stem cells by gene targeting," <u>Proc. Natl. Acad. Sci. U.S.A.</u> , (1991) Vol 88:3084-3087	
	AP	Ramirez-Solis et al. <u>Nature</u> , Vol. 378:720-724	
	AQ	Reid et al., "Regulatory elements in the introns of the human HPRT gene are necessary for its expression in embryonic stem cells," <u>Proc. Natl. Acad. Sci. U.S.A.</u> , (1990) Vol. 87:4299-4303	
	AR	Schwartzberg et al., "Germ-line Transmission of c-abl Mutation Produced by Targeted Gene Disruption in ES Cells," <u>Science</u> , (1989) Vol. 246:799-803.	
	AS	Shesely, et al., "Correction of a human β ³ -globin gene by targeting," <u>Proc. Natl. Acad. Sci., U.S.A.</u> , (1991) Vol. 88:4294-4298	
	AT	Smithies et al., "Insertion of DNA sequences into the human β-globin locus by homologous recombination," <u>Nature</u> , (1985) Vol. 317:230-234.	
	AU	Thomas et al., "Site-Directed Mutagenesis by Gene Targeting in Mouse Embryo-Derived Stem Cells," <u>Cell</u> , (1987) Vol. 51:503-512.	
	AV	Thomas et al., "Targeted disruption of the murine int-14 proto-oncogene resulting in severe abnormalities in midbrain and cerebellar development," <u>Nature</u> , (1990) Vol. 346:847-850.	
	AW	Thompson et al., "Germ-Line-Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells," <u>Cell</u> , (1989) Vol. 56:313-321.	
	AX	Zhang et al., "Targeting Frequency for Deletion Vectors in Embryonic Stem Cells," <u>Mol. and Cell. Biol.</u> , (1994) Vol. 14:2404-2410.	
	AY	Zimmer et al., "Gene Targeting Constructs: Effects of Vector Topology on Co-expression Efficiency of Positive and Negative Selectable Marker Genes," <u>Biochem and Biophys. Res. Comm.</u> , (1994) Vol. 201, No. 2:943-949.	

EXAMINER <i>J. McKeon</i>	DATE CONSIDERED <i>9/7/01</i>
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